



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Randall B. Lauffer et al. Art Unit : 1619  
Serial No. : 09/887,706 Examiner : Michael G. Hartley  
Filed : September 8, 2000  
Title : CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING  
INTERVENTIONAL THERAPIES

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 08/942,989, filed on October 2, 1997. All of the references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application except:

Desig. IDs:

AD, AE, AF, AI, AM, and AII

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Date: 3/8/04

Respectfully submitted,

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March 8, 2004

Date of Deposit

Signature

Angela J. Montgomery

Angela J. Montgomery

Typed or Printed Name of Person Signing Certificate



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13498-009002	Application No. 09/887,706
	Applicant Randall B. Lauffer et al.		
	Filing Date September 8, 2000	Group Art Unit 1619	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,094,848	03/10/92	Brixner			
	AB	5,250,285	10/05/93	Lauffer et al.			
	AC	5,649,537	07/22/97	Anelli et al.			
	AD	5,828,215	10/27/98	Boettcher			
	AE	5,919,967	07/06/99	Amedio et al.			
	AF	5,938,599	08/17/99	Rasche et al.			

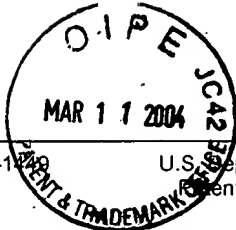
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG	WO 95/32741	12/07/95	PCT				
	AH	WO 96/23526	08/08/96	PCT				
	AI	WO 97/36619	10/09/97	PCT				
	AJ	WO 98/05625	02/12/98	PCT				
	AK	WO 00/38738	07/06/00	PCT				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AL	Aime et al., "Yb(III)DOTMA as Contrast Agent in CSI and Temperature Probe in MRS," <u>Proc. Soc'y Mag. Resn.</u> , 2:1109, ISSN 1065-9889 (August 19-25, 1995)
	AM	Brasch et al., "Assessing Tumor Angiogenesis Using Macromolecular MR Imaging Contrast Media," <u>J. MRI</u> , 1997, 7(1):68-74
	AN	Carter et al., "Structure of Serum Albumin," <u>Adv. Protein Chem.</u> , 1994, 45:153-203
	AO	Cline et al., "MR Temperature Mapping of Focused Ultrasound Surgery," <u>Mag. Resn. Med.</u> , 1994, 31:628-636
	AP	Chu, "The Quantitative Analysis of Structure-Activity Relationships," <u>Burger's Medicinal Chemistry</u> , Part 1, pp. 393-418, (4 <sup>th</sup> ed. 1980)
	AQ	De Poorter et al., "Noninvasive MRI Thermometry with the Proton Resonance Frequency (PRF) Method: <i>In Vivo</i> Results in Human Muscle," <u>Mag. Resn. Med.</u> , 1995, 33:74-81
	AR	Dodd et al., "MRI monitoring of the effects of photodynamic therapy on prostate tumours," <u>Proc. Soc'y Mag. Resn.</u> , 3:1368, ISSN 1065-9889 (August 19-25, 1995)
	AS	Dupas et al., "Delineation of Liver Necrosis Using Double Contrast-Enhanced MRI," <u>J. MRI</u> , 1997, 7(3):472-477
	AT	He et al., "Atomic Structure and Chemistry of Human Serum Albumin," <u>Nature</u> , 1992, 358:209-215

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13498-009002	Application No. 09/887,706
		Applicant Randall B. Lauffer et al.	
		Filing Date September 8, 2000	Group Art Unit 1619

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	Honda et al., "Percutaneous Hot Saline Injection Therapy for Hepatic Tumors: An Alternative to Percutaneous Ethanol Injection Therapy," <u>Radiology</u> , 1994, 190:53-57
	AV	Horrocks et al., "Lanthanide Ion Luminescence in Coordination Chemistry and Biochemistry," <u>Progr. Inorg. Chem.</u> , 1984, 31:1-104
	AW	Hynynen et al., "The Usefulness of a Contrast Agent and Gradient-Recalled Acquisition in a Steady-State Imaging Sequence for Magnetic Resonance Imaging-Guided Noninvasive Ultrasound Surgery," <u>Invest. Radiol.</u> , 1994, 29:897-903
	AX	Hynynen et al., "The feasibility of using MRI to monitor and guide noninvasive ultrasound surgery," <u>Ultrasound in Med. And Biol.</u> , 1993, 19(1):91-92
	AY	Kragh-Hansen, "Molecular Aspects of Ligand Binding to Serum Albumin," <u>Pharm. Rev.</u> , 1981, 33:17-53
	AZ	Lauffer, "Paramagnetic Metal Complexes as Water Proton Relaxation Agents for NMR Imaging: Theory and Design," <u>Chem. Rev.</u> , 1987, 87:901-927
	AAA	Lauffer et al., "MS-325: A Small-Molecule Vascular Imaging Agent for Magnetic Resonance Imaging," <u>Acad. Radiol.</u> , 1996, Supplement 02, 3:S356-358
	ABB	Leo et al., "Partition Coefficients and Their Uses," <u>Chem. Rev.</u> , 1971, 71:525-616
	ACC	Nagel et al., "Contrast-enhanced MR Imaging of Hepatic Lesions Treated with Percutaneous Ethanol Ablation Therapy," <u>Radiology</u> , 1993, 189:265-270
	ADD	Päuser et al., "Evaluation of Efficient Chemoembolization Mixtures by Magnetic Resonance Imaging Therapy Monitoring: An Experimental Study on the VX2 Tumor in the Rabbit Liver," <u>Cancer Res.</u> , 1996, 56:1863-1867
	AEE	Rossi et al., "Percutaneous RF Interstitial Thermal Ablation in the Treatment of Hepatic Cancer," <u>AJR</u> , 1996, 167:759-768
	AFF	Saint-Jalmes, "Precision in Temperature Measurement via T <sub>1</sub> or Diffusion Imaging," <u>Proc. Soc'y Mag. Resn.</u> , 2:1072, ISSN 1065-9889 (August 19-25, 1995)
	AGG	Schwarzmaier et al., "Magnetic Resonance Imaging of Microwave Induced Tissue Heating," <u>Mag. Resn. Med.</u> , 1995, 33:729-731
	AHH	Seibel, "Image-guided minimally invasive therapy," <u>Surg. Endosc.</u> , 1997, 11:154-162
	AII	Tracz et al., "Comparison of Magnetic Resonance Images and the Histopathological Findings of Lesions Induced by Interstitial Laser Photocoagulation in the Brain," <u>Lasers in Surgery and Medicine</u> , 1993, 13:45-54
	AJJ	Villringer et al., "Dynamic Imaging with Lanthanide Chelates in Normal Brain: Contrast Due to Magnetic Susceptibility Effects," <u>Mag. Resn. Med.</u> , 1988, 6:164-174
	AKK	Vogl et al., "Recurrent Nasopharyngeal Tumors: Preliminary Clinical Results with Interventional MR Imaging-controlled Laser-induced Thermotherapy," <u>Radiology</u> , 1995, 196:725-733
	ALL	Webb et al., "Measurement of microwave induced heating of breast tumors in animal models using cobalt based NMR," <u>Proc. Soc'y Mag. Resn.</u> , 1:72, ISSN 1065-9889 (August 19-25, 1995)
	AMM	Webb et al., "Microencapsulation of fluorine-containing phase transition agents for monitoring temperature changes in-vivo," <u>Proc. Soc'y Mag. Resn.</u> , 3:1574, ISSN 1065-9889 (August 6-12, 1994)

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